Material Safety Data Sheet
PN: T0529 / N5878

Black Cartridge

Material Safety Data Sheets are not required for print cartridges. For customer convenience, Dell provides product information in this familiar format.

Section 1 - Product and Company Identification

Product Name: Black Cartridge
Product ID: T0529 / N5878
Chemical Family: Inkjet Cartridge
Application: Dell A920 Inkjet Printer
Dell 720 Inkjet Printer
Prepared By: Product Environmental Programs

Manufacturer: Dell Computer Corporation
One Dell Way
Round Rock, TX 78682
Information: 1-800-W W W-DELL
Emergency: 1-866-473-5030

Section 2 - Composition / Information on Ingredients

Ingredients	Percent (wt.)	CAS No.	OSHA PELS	ACGIH TLV
Carbon Black	1-5	1333-86-4	3.5 mg/m³ TWA	3.5 mg/m³ TWA
Water Soluble Organic Solvents	10-20	Trade Secret	None	None
Acrylic Terpolymer	0.1-2	Trade Secret	None	None
Hydroxylated Alkane NJTSRN 80100451-5004	1-10	Trade Secret	None	None
Water	60-78	7732-18-5	None	None

Section 3 - Hazards Identification

The following information is based on testing of the product as a whole and/or characteristics of components.

Hazard Information: Primary Routes of Exposure: Ingestion, skin contact.

Inhalation: If ink mist is inhaled, respiratory tract irritation may occur. Exposure not probable with intended use. No adverse chronic effects known at intended level of use.

Skin Contact: Not an irritant. Exposure not probable with intended use. Not a dermal sensitizer.

Eye Contact: Not an irritant. Exposure not probable with intended use.

Ingestion: Low acute oral toxicity. Exposure not probable with intended use.

Section 4 - First Aid Measures

Inhalation: If symptoms, such as shortness of breath or persistent coughing are experienced, remove source of contamination and move individual to fresh air. If symptoms persist, seek medical attention.

Skin Contact: Wash with soap and water. Should irritation occur, seek medical attention.

Eye Contact: Flush immediately with plenty of water. Remove contact lenses and continue flushing for at least 15 minutes. If irritation develops and persists, seek medical attention.

Ingestion:	Immediately wash mouth out with plenty of water. Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
Aggravated Conditions:	None known
Notes to Physician:	No specific antidote.

Section 5 - Fire Fighting Measures

Flash Point/Range (°C):	Not applicable
Autoignition Temperature (°C):	Not determined
Flammable Limits in Air UEL:	Not determined
Flammable Limits in Air LEL:	Not determined
Extinguishing Media:	Carbon dioxide, water spray or fog, dry chemical or foam
Hazardous Combustion Products:	Carbon monoxide, carbon dioxide, unidentified organics
Special Exposure Hazards:	None known
Special Protective Equipment:	NIOSH approved self contained breathing apparatus may be required if a large number of cartridges are involved.
NFPA Rating:	Health: 1 Flammability: 0 Reactivity: 0
HMIS Classification:	Health: 1 Flammability: 0 Reactivity: 0

Section 6 - Accidential Release Measures

Personal Precautionary Measures:	None required for intended use in printer.
Environmental Precautionary:	Unless specifically permitted for disposal, keep waste out of sewers, watersheds, and waterways.
Procedure for Cleaning/ Absorption:	Absorb small spills with cloth or paper towels or other suitable material. Place in container for disposal. For large spills, dike around spill with absorbent material. Wash spill site with soap and water after material pickup is complete. Disposal is subject to federal, state, local, or provincial regulations.

Section 7 - Handling and Storage

Handling:	To avoid damage to cartridge and accidental contact with ink **KEEP OUT OF REACH OF CHILDREN.**
Storage:	Store in a cool, dry place.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:	None required.
Respiratory Protection:	None required for intended use in printer.
Gloves:	None required for intended use in printer.
Skin Protection:	None required for intended use in printer.
Eyes:	None required for intended use in printer.

Section 9 - Physical and Chemical Properties

Physical State: Cartridge contains liquid ink
Color: Black
Odor: Faint
Solubility in Water: Fully Miscible
Pressurized: No
pH: 7.0-8.5
Specific Gravity: Approx. 1.0

Section 10 - Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: None known

Materials to Avoid: None known

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, unidentified organics

Additional Guidelines: None

Section 11 - Toxicological Information

Primary Routes of Exposure: Ingestion, skin contact.

Ingestion: Low acute oral toxicity. Based on component characteristics, gastrointestinal, liver, kidney, and CNS effects are possible if large quantities of ink are ingested. Exposure not probable with intended use.

Acute Toxicity Oral Rat LD50 (mg/kg): >2000

Inhalation: Low acute inhalation toxicity. Pure carbon black, a minor component of this product, has been listed by IARC as a group 2B (possible carcinogen). This classification is based on rat "lung particulate overload" studies performed with airborne particulate carbon black. Ink is not listed by IARC, NTP, or OSHA.

Aggravated Conditions: None known

Carcinogenicity Comment: Neither this product nor any of its components present above 0.1% are listed by IARC, NTP, or OSHA as known carcinogens.

Section 12 - Ecological Information

Mobility: Not determined

Persistence: Not determined

Bioaccumulative: Not determined

Other Information: None

Section 13 - Disposal Considerations

Waste Disposal:

This product is not a listed hazardous waste in accordance with Federal Regulation 40 CFR Part 261. If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material has been contaminated and should be classified as a hazardous waste. Disposal is subject to local, state and federal regulations.

Section 14 - Transport Information

DOT Status: Not classified as a hazardous material or substance under US DOT.

DOT Shipping Name: Not applicable

DOT Reportable Quantity: Not applicable

Hazard Class: Not applicable

DOT Packing Group: Not applicable

Section 15 - Regulatory Information

TSCA (USA) All ingredients are listed on the Toxic Substances Control Act (TSCA) inventory, have been registered, or are exempt.

SARA / EPCRA (USA): None of the ingredients in this product has a final reportable quantity (RQ) under Emergency Planning and Community Right-to Know Act (EPCRA)- Section 302: Extremely Hazardous Substances (EHS) or notification requirements for EHS under Section 304.

California Proposition 65: This product contains no known materials at levels which the State of California has found to cause cancer, birth defects or other reproductive harm - California Proposition 65.

DSL (Canada): All ingredients are listed on the Canadian Domestic Substances List (DSL), have been registered on the Non-Domestic Substances List (NDSL), or are exempt.

EINECS (Europe): All ingredients are listed on the European Inventory of Existing Commercial Substances (EINECS) list, have been registered on the European List of New Chemical Substances (ELINCS), or are exempt.

AICS (Australia): All ingredients are listed in Australian Inventory of Commercial Substances (AICS), have been registered, or are exempt.

ENCS (Japan): All ingredients are listed on the Japanese Existing and New Chemical Substances (ENCS) list, have been registered, or are exempt.

ECL (Korea): All ingredients are listed on the Korean Existing Chemicals List (ECL), have been registered, or are exempt.

WHMIS Hazard Class (Canada): Not a WHMIS controlled product.

Section 16 - Other Information

The following has been revised since the last issue of this MSDS: No significant revisions to health and safety information.

Additional Information: None

Data are most current known to Dell at the time of preparation and are believed to be accurate. No warranty as to their accuracy or completeness is expressed or implied.

*****END OF MSDS*****